| Electronic Acknowledgement Receipt   |  |  |  |  |  |
|--------------------------------------|--|--|--|--|--|
| EFS ID:                              | 2646988  |  |  |  |  |
| Application Number:                  | 10664354   |  |  |  |  |
| International Application Number:    |  |  |  |  |  |
| Confirmation Number:                 | 4135   |  |  |  |  |
| Title of Invention:                  | Metaspace: communication middleware for partially connected mobile ad hoc networks |  |  |  |  |
| First Named Inventor/Applicant Name: | Kun Tan  |  |  |  |  |
| Customer Number:                     | 22801  |  |  |  |  |
| Filer:                               | Daniel Leo Hayes/Dana Calhoun  |  |  |  |  |
| Filer Authorized By:                 | Daniel Leo Hayes   |  |  |  |  |
| Attorney Docket Number:              | 223538   |  |  |  |  |
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| Application Type:                    | Utility under 35 USC 111(a)  |  |  |  |  |
| Payment information:                 |  |  |  |  |  |

| Submitted with Payment                   | yes         |
|--|-------------|
| Payment Type                             | Credit Card |
| Payment was successfully received in RAM | \$120       |
| RAM confirmation Number                  | 2756        |
| Deposit Account                          |             |
| Authorized User                          |             |

## File Listing:

| Document Description | File Name | File Size(Bytes) /Message Digest | Multi<br>Part /.zip | Pages<br>(if appl.) |
|----------------------|-----------|----------------------------------|---------------------|---------------------|
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| 1            |   | D47433.PDF   | 200294                                       | yes | 12 |  |  |  |  |
|--------------|---|--------------|--|-----|----|--|--|--|--|
|              |   |              | 9f0d426998586edcb9a2386fc5c4b71f4<br>0e635d7 |     |    |  |  |  |  |
|              | Multipart Description/PDF files in .zip description |              |  |     |    |  |  |  |  |
|              | Document Description                                |              | Start  | End |    |  |  |  |  |
|              | Amendment - After Non-Final Rejection               |              | 1  | 2   |    |  |  |  |  |
|              | Claims  |              | 3  | 6   |    |  |  |  |  |
|              | Applicant Arguments/Remarks Made in an Amendment    |              | 7  | 11  |    |  |  |  |  |
|              | Miscellaneous Incoming Letter                       |              | 12   | 12  |    |  |  |  |  |
| Warnings:    |   |              |  |     |    |  |  |  |  |
| Information  | :   |              |  |     |    |  |  |  |  |
| 2            | Fee Worksheet (PTO-06)                              | fee-info.pdf | 8174   | no  | 2  |  |  |  |  |
|              |   |              | c7f1800c0a010d91907aa45d87972b6b<br>4e42c258 | 110 |    |  |  |  |  |
| Warnings:    |   |              |  |     |    |  |  |  |  |
| Information: |   |              |  |     |    |  |  |  |  |
|              |   | 208468       |  |     |    |  |  |  |  |
| 1            |   |              |  |     |    |  |  |  |  |

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## New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

## National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

## New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.